

TECHNICAL DATA SHEET

DESCRIPTION

PRIME EP-60 is a epoxy two component, chemically curing, moisture tolerant, water based, epoxy primer.

TYPICAL APPLICATIONS

- Indoor and outdoor applications,
- As a primer for applications such as epoxy, PU or cement based systems,
- Moisture barrier applications,
- As concrete sealing,
- As an bonding agent between old and new concrete.

FEATURES AND ADVANTAGES

- Water based.
- It is high level barrier against water and moisture.
- Provides great adhesion to all absorbent surfaces, including damp concrete.
- It is resistant to common cleaners and chemicals.
- Odorless.
- Not ambmable.
- It is suitable for indoor applications.

APPLICATION PROCEDURE

• SURFACE PREPARATION

Before the application, in order to ensure a good adhesion oil, grease, paran wastes, cement grout, loose particles, mold release areas, cured old membranes should be removed from the surface. Surface defects should be repaired with suitable products. After the surface is prepared, the tensile strength of the ground concrete should be minimum 1,5 N/mm

• APPLICATION

A and B components should be combined and mixed with a low speed mixer for 2-3 minutes. After the mixture is completed, it is made ready to use by diluting with 20-30% water. Pot life of the mixture is 60 minutes at +25°C. Higher temperatures reduce the pot life. Do not wait more than 60 minutes to apply the mixture. After the surface is repaired and preparation is completed, is applied to the oor with a roller in accordance with the application system selected. Good ventilation will prevent condensation and ensure optimum coating performance. Ventilation should be maintained during curing. After the white layer on the primed surface turns transparent, epoxy or polyurethane top layer application should be started. 0,15 - 0,20kg/m is used as a primer. As a moisture barrier, a minimum of 3 layers should be applied at 0,50-0,60 kg/m.

APPLICATION REMARKS

- Not recommended for loose and unstable surfaces.
- It is not used for waterproofing of swimming pools with chemically treated water.

CONSUMPTION

Consumption (min.): 0,15 - 0,30 kg/m
As a moisture barrier: 0,50 - 0,60 kg/m

CLEANING

After the application, all tools should be cleaned with water.

PACKAGING AND COLOR

Transparent color in (A) + (B) 3 Kg plastic bucket set.
Transparent color in (A) + (B) 10 Kg plastic bucket set.

STORAGE AND SHELF LIFE

The product can be stored for a maximum of 24 months in its unopened original package at temperatures between + 5°C and +25°C. Opened product should be used as soon as possible.

PRECAUTIONS

The product should be used in well ventilated environments. The product should not be in contact with open res. Smoking should not be allowed during application. Protective gloves and masks should be used for hands and eyes during application. If the material comes into contact with eyes, it should be washed immediately with sucient water. For more detailed information, ask for a Safety Data Sheet (MSDS) from PRIME technical department.

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QUALIFICATION	METHOD	FEATURE
Coating Type	Manuf Lab.	Two Component Water Based Epoxy
Density	ASTM D 1475 / EN ISO 2811-1 (+20°C)	1,05 gr/cm ³ (±0,05)
Viscosity	ASTM D 2196-86 / EN ISO 3219 (+25°C)	100 - 300 cp
Application Temperature	Manuf Lab.	+5°C to +35°C
Thinning	Manuf Lab.	%20-30 with water
Water Vapour Permeability	EN ISO 7783-2	3,9 gr/m ² 24 Hours Class III (low, <15)
Water Permeability	NF EN 1062-3	0,003-0,006 kg/m ² Hours 0,5 Class III (low, < 0,1)
Compressive Strength	Manuf Lab.	> 3 N/mm ²
Adhesion to Concrete	TSE EN 1542 (+23°C)	> 3 N/mm ²
Pot Life	Manuf Lab. (+25°C)	1 hours
Tack Free Time	25°C / 55% RH	4 - 5 hours
Recoat Time	Manuf Lab.	6 - 12 hours
Friction Resistance	ASTM D4541 (TABER 503)	120*10 ⁻³

□ Viscosity measured at + 25°C according to EN ISO 3219 standards. Viscosity increases inversely with temperature.

EPOXY PRIMERS

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